

**Notice of Allowability**

Application No.

10/084,910

Examiner

Arezoo Sherkat

Applicant(s)

HASHIMOTO ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/17/2006.
2. ☒ The allowed claim(s) is/are 1-17, 19 and 20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

CHRISTOPHER REVAK  
PRIMARY EXAMINER

*CR* 9/27/06

***Response to Amendment***

This office action is responsive to Applicant's amendment received on 8/17/2006. Claim 17 has been amended. Claim 18 is cancelled. Claims 1-17 and 19-20 are pending.

***Allowable Subject Matter***

Claims 1-17 and 19-20 are allowed.

The following is an examiner's statement of reasons for allowance:

The closest prior arts of record, namely Blumenau and Sanada, alone and/or in combination do not fairly disclose a manager coupled to a controller of the non-volatile data storing means for setting or changing access control setting information in **an access controlling table**, wherein the different types of I/O commands include READ and WRITE and the access control setting information includes READ only enable or READ and WRITE only enable information **for each of the plurality of network transportation ports connected to different networks**.

Blumenau discloses "If the private/shared flag is not set, then execution branches from step 337 to step 339 to access locking information in the cache memory for the logical volume mapped to the LUN specified by the host controller. If the volume is private to the host controller, then access is permitted, and execution branches from step 340 to step 348 to access the volume. If the volume to access is public and is already locked in a fashion incompatible with the access requested by the host (e.g., the volume is already write locked and the host controller requests a read or a write access,

or the volume is already read locked and the host controller requests a write access) then access not presently permitted. The host controller's S\_ID is placed on a wait list, in order to notify the host controller when the logical volume becomes available; execution branches from step 340 to step 341 to temporarily deny access to the volume, and the routine is finished" (page 15, par. 139). Blumenau does not expressly disclose an access controlling table defining permitted I/O commands for each of the plurality of network transportation ports connected to different networks.

In Sanada, control table embodiments namely, a request control table 140 as shown in figure 8 (page 6, par. 98-100) and the request control table 160 as shown in figure 11 (page 7, par. 120), both fail to disclose an access controlling table expressly defining permitted I/O commands for each of the plurality of network transportation ports connected to different networks as claimed in the instant application.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arezoo Sherkat whose telephone number is (571) 272-3796. The examiner can normally be reached on 8:00-4:30 Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.S.



Patent Examiner  
Group 2131  
September 25, 2006

CHRISTOPHER REVAK  
PRIMARY EXAMINER

